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9-3-04**Tetra Tech EM Inc.**

6801 Engle Road, Suite G ♦ Middleburg Heights, Ohio 44130 ♦ (440) 234-0886 ♦ FAX (440) 234-1725

September 3, 2004

Mr. Jon Gulch
On-Scene Coordinator
Emergency Response Section #1
U.S. Environmental Protection Agency
9311 Groh Road
Grosse Ile, Michigan 48138

Dear Mr Gulch:

The Tetra Tech EM Inc., Superfund Technical Assessment and Response Team (START) is submitting this letter with attached initial and final Pollution Report (POLREP) for the Univar HCL Spill Site located in Twinsburg, Summit County, Ohio.

This letter was prepared in accordance with the requirements in the Technical Directive Document (TDD) No. S05-0408-006, which the U.S. Environmental Protection Agency (U.S. EPA) assigned to START. The scope of the TDD was to conduct Comprehensive Emergency Response, Compensation, and Liability Act (CERCLA) emergency response activities at the Univar HCL Spill Site located in Twinsburg, Summit County, Ohio. START was tasked to develop a health and safety plan, provide technical assistance, determine a threat to public health and the environment, document site conditions, and conduct air monitoring. If you have any question or comments regarding this deliverable, please contact me at (440) 234-0886 ext 226 or Tom Kouris at (312) 946-6431.

Sincerely,

Kelly Smith
START Project Manager
Tetra Tech EM Inc.

Attachments: Final POLREP

cc: Lorraine Kosik, U.S. EPA START Project Officer
Thomas Kouris, Tetra Tech EMI START Program Manager



ATTACHMENT
INITIAL AND FINAL POLREP

Univar HCl Spill

Twinsburg , OH - EPA Region V

POLREP #1 - First and Final

[All POLREPs for this site](#)

On-Scene Coordinator - Jon J. Gulch
Emergency - Removal Action
Start Date: 8/11/2004

8/13/2004
Report Number 1 of 1



Site Description

The incident occurred at Univar USA located at 1686 Highland Road, Twinsburg, Summit County, Ohio. The geographical coordinates for the site are north 41°17'49" and west 81°27'39". Univar is a chemical blending facility and is located in an industrial park. A residential community is located approximately 0.25 miles to the north of the facility. The site is bordered to the north by Highland Road; to the east by North Bolye Street, and to the south by a Conrail spur that services the industrial park. A drainage ditch runs along the southern perimeter of the site. The ditch discharges into a unnamed tributary of Tinkers Creek approximately 0.5 miles downstream.

U.S. EPA was initially notified of the spill at approximately 1900 hours on August 11, 2004. OSC Gulch contacted Ohio EPA and the Twinsburg Fire Chief and was informed that the spill had been contained and the situation was under control. The incident commander (IC) evacuated approximately 72 businesses surrounding the facility. At approximately 0300 on August 12, 2004, Ohio EPA requested U.S. EPA assistance due to a change in weather conditions that resulted in fuming of the contained acid spill.

Current Activities

On August 11, 2004, U.S. EPA OSC Gulch was informed of the release and made contact with the Ohio EPA OSC and the Twinsburg Fire Department Chief. At the time, the spill HCl was under control and contained.

On August 12, 2004, U.S. EPA OSC Gulch recieved a request from Ohio EPA to respond to provide air monitoring support due to a change in weather conditions. At approximately 0600, EPA OSC Gulch and START arrived on site and were briefed by Ohio EPA and the IC. At this time fumes were still being release from the on site containment area. Ohio EPA requested that START conduct perimeter air monitoring to assess off-site migration. START conducted perimeter air monitoring using Acid and Chlorine Draeger tubes. No positive indications of acid or chlorine gas was detected around the site perimeter.

The facilities contractors and employees continued to conduct cleanup activities on and off site. Concerns regarding health and safety of workers was addressed. START conducted a level C entry into the onsite work zone to conduct air monitoring. Acid Draeger Tubes indicated acid levels of approximately 5-20 parts per million (ppm) in this area. U.S. EPA and Ohio EPA informed Univar personnel that all onsite workers need to be in appropriate personnel protective equipment (PPE).

The IC request that START conduct air monitoring in the residential communities located north of the facility. No positive indications of acid or chlorine gas was detected in the residential communities.

At approximately 1200 hours on August 12, 2004, the IC requested another round of perimeter monitoring. No positive indications of acid or chlorine gas was detected around the site perimeter. Following these results, the IC lifted the evacuation. A small portion of North Boyle Road was closed until the eastern portion of the drainage ditch was remediated.

Air monitoring was conducted at regular intervals during all clean-up activities. No positive indications of acid or chlorine gas was detected inside or outside of the off site work zones.

At approximately 2300 hours on August 12, 2004, the eastern portion of the ditch was remediated and all activities were suspended until the following morning.

On August 13, 2004, START mobilized to site and met with a Univar representative. Univar's employees and

contractors powerwashed the contaminated concrete pad that had been treated with soda ash. START conducted perimeter monitoring with no positive indications of acid or chlorine gas detected. An industrial hygienist hired by Univar also conducted perimeter and work zone monitoring with no positive indications of acid or chlorine gas. Ohio EPA requested that the pH in the ditch be monitored. The pH in the ditch was slightly corrosive. After investigation, the elevated pH was due to caustic soda ash which was located in the ditch immediately south of the spill area. The soda ash and impacted sediment in this area of the ditch was excavated. Once this material was removed the pH in the ditch returned to neutral.

On August 14, 2004, START mobilized to site to conduct site reconnaissance and monitoring of the ditch. No clean-up activities were conducted. The pH of the ditch was tested in five downstream locations. The pH at all locations was neutral.

On August 16, 2004, START contacted a Univar representative to get an update on site activities. The Univar representative stated that Ohio EPA had been on site and requested additional pH monitoring in the ditch at the locations of Univar's check valves which run into the ditch. The pH of the stream had remained neutral. Univar stated that the containment dikes needed to be powerwashed and transportation and disposal of waste coordinated.

Planned Removal Actions

- Power wash containment pad
- Coordinate transportation and disposal of waste streams

Next Steps

- START will document a meeting with a group of PRP's who are meeting to determine the cause of the release and work to prevent another release.
- START will conduct a final site visit to monitor the pH in the ditch.
- A final report from the PRP will be requested by EPA. This report should detail the cause of the spill, efforts being made to prevent future releases, and documentation of the clean-up and disposal of spilled material and contaminated debris.

Key Issues

None.

[All POLREPs for this site](#)